



NORTH WEST GROUP

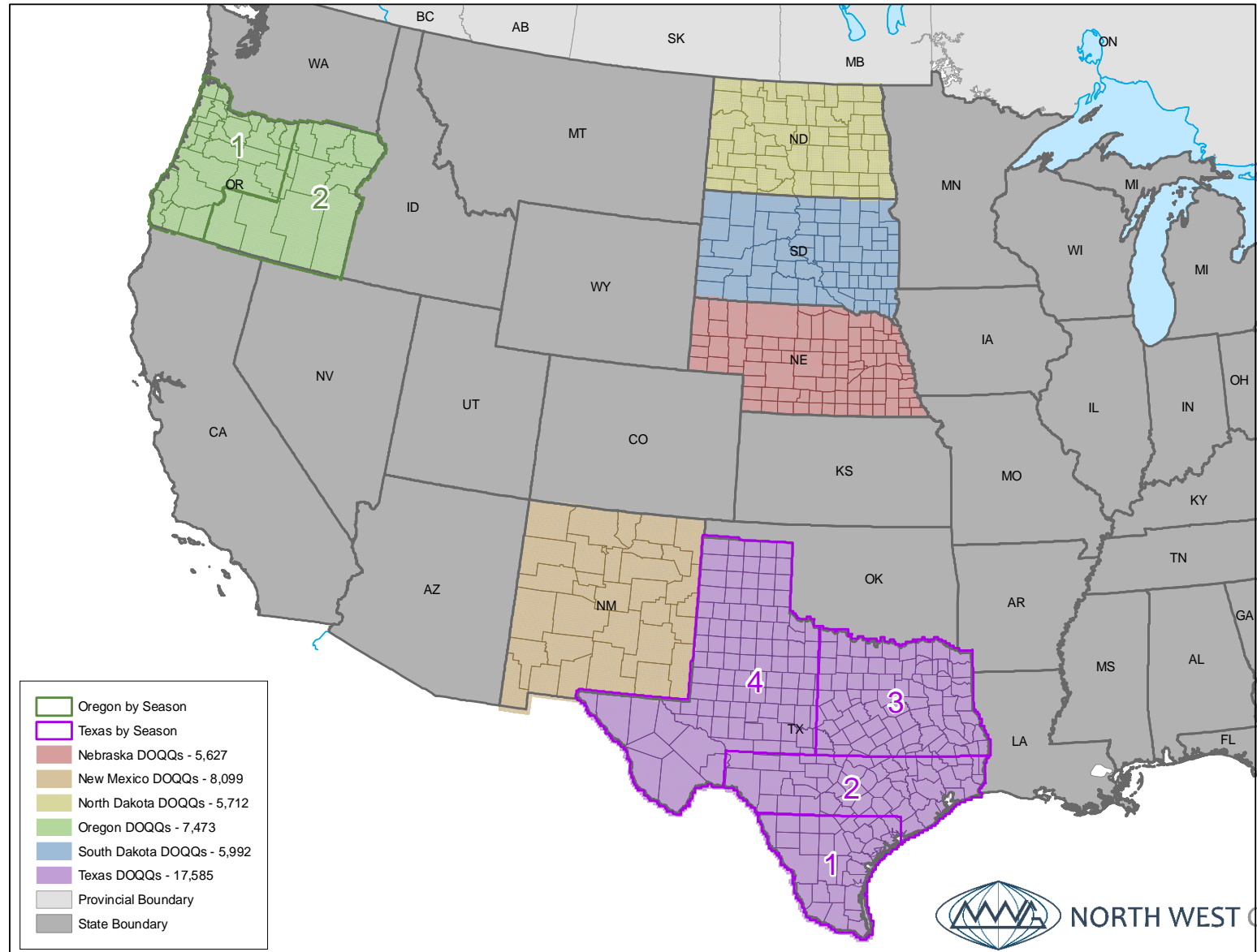
2014 NAIP SEASON

Oregon, North Dakota, South Dakota, Nebraska, New Mexico, Texas

Team

- North West:
 - Contract management
 - Project management
 - Acquisition
 - 4 Cessna Conquests
 - 1 Cessna F406 (Backup)
 - 8 ADS100's
 - Raw data QC
 - Data archival
 - Processing
 - Delivery
 - EAWS
 - Warranty fulfillment
- Fugro Horizons:
 - Acquisition
 - 3 Cessna Conquests
 - Raw data QC
 - Maintenance Base (South Dakota)
- CompassData:
 - Survey control

Overview of Project Area



Data Acquisition (Summary)

State	Extensions	CC MS	DOQQS	Max Planes	Best Week	Worst Week
Nebraska	1	93	5,627	5	1,020	31
New Mexico	3	33	8,099	6	2,049	0
North Dakota	1	53	5,712	5	1,619	79
Oregon 1	2	26	3,504	3	1,606	0
Oregon 2	3	10	3,969	3		
South Dakota	2	55	5,992	5	1,808	57
Texas 1	6	23	2,406	2	2,588	0
Texas 2	4	50	3,307	2		
Texas 3	3	86	4,181	3		
Texas 4	1	95	7,691	4		
Totals		524	50,488			

Current Status

- All acquisition completed Oct 24
- All DOQQ's delivered
- EAWS updated to final product quality
- Received acceptance on ND and NM have been through preliminary inspection and accepted with no rework



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2014 Challenges

2014 Challenges

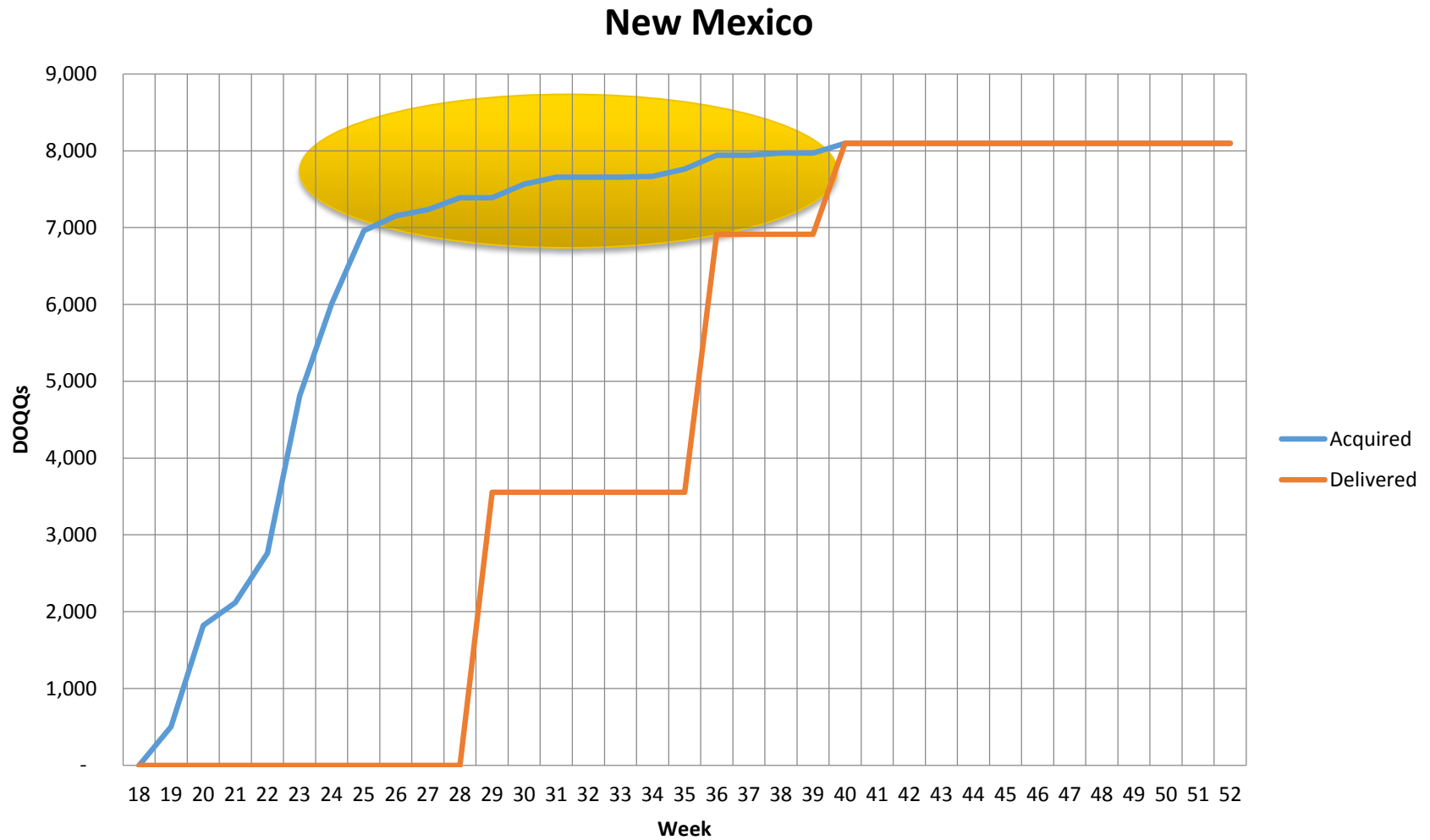
- Internally we track a metric of revenue flight time versus overall flight time:
 - Revenue flight time means accepted production
 - Overall flight time means weather checks, chasing weather “holes”, flights “clouded out”, and ferry between projects for weather patterns
 - Note this doesn’t account for no-fly days or maintenance related
 - Flight time accounts for >90% of our costs
- Over past several years this ranged from 1.33 to 1.57
 - This means for every 1 hour of acquisition we could expect to fly 1.33 to 1.57 hours to capture it
- Any guesses on this metric for 2014?



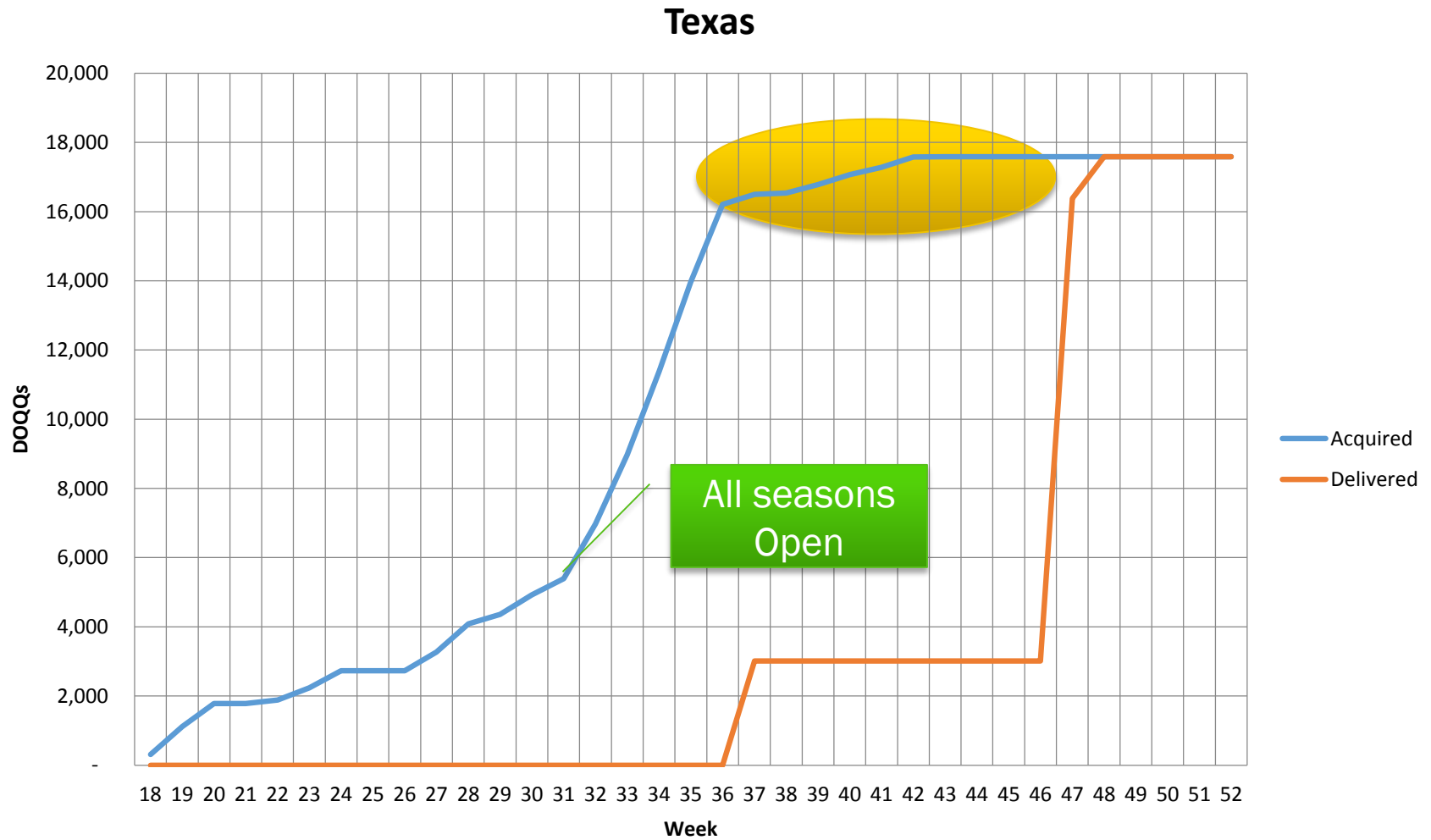
Mexico Border

- Mexico border impacted New Mexico and Texas schedules drastically:
 - TX Season 1,2,4 and NM – well underway until Mexico started to reject over-flights
 - USDA and IWBC worked to get proper permissions in place quickly (months)
 - But the gulf weather patterns deteriorate rapidly through the summer causing many extensions for these areas
 - Both TX Season 1,2,4 completed October 24th
 - 2+ Planes onsite for 5 months to capture these areas
 - Many weeks of no acquisition

New Mexico

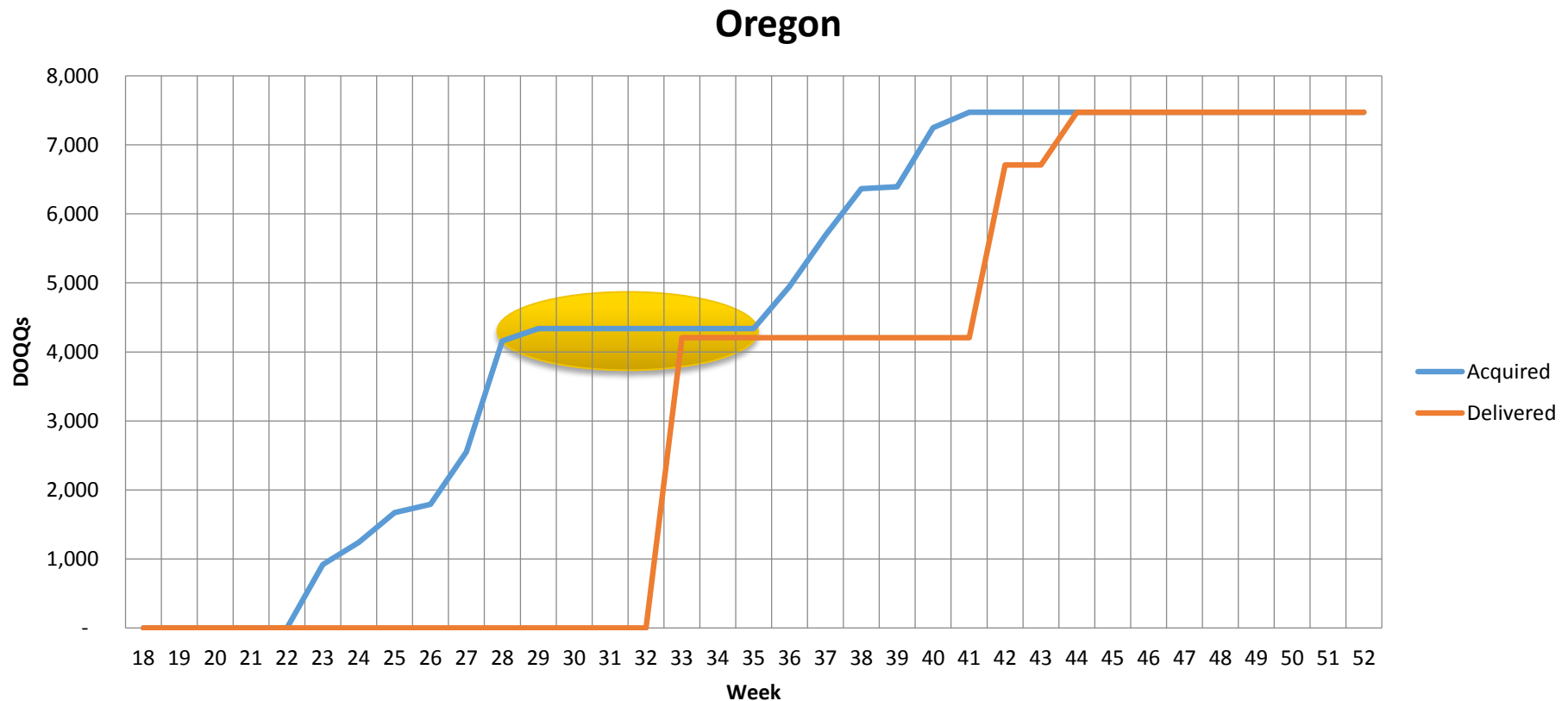


Texas

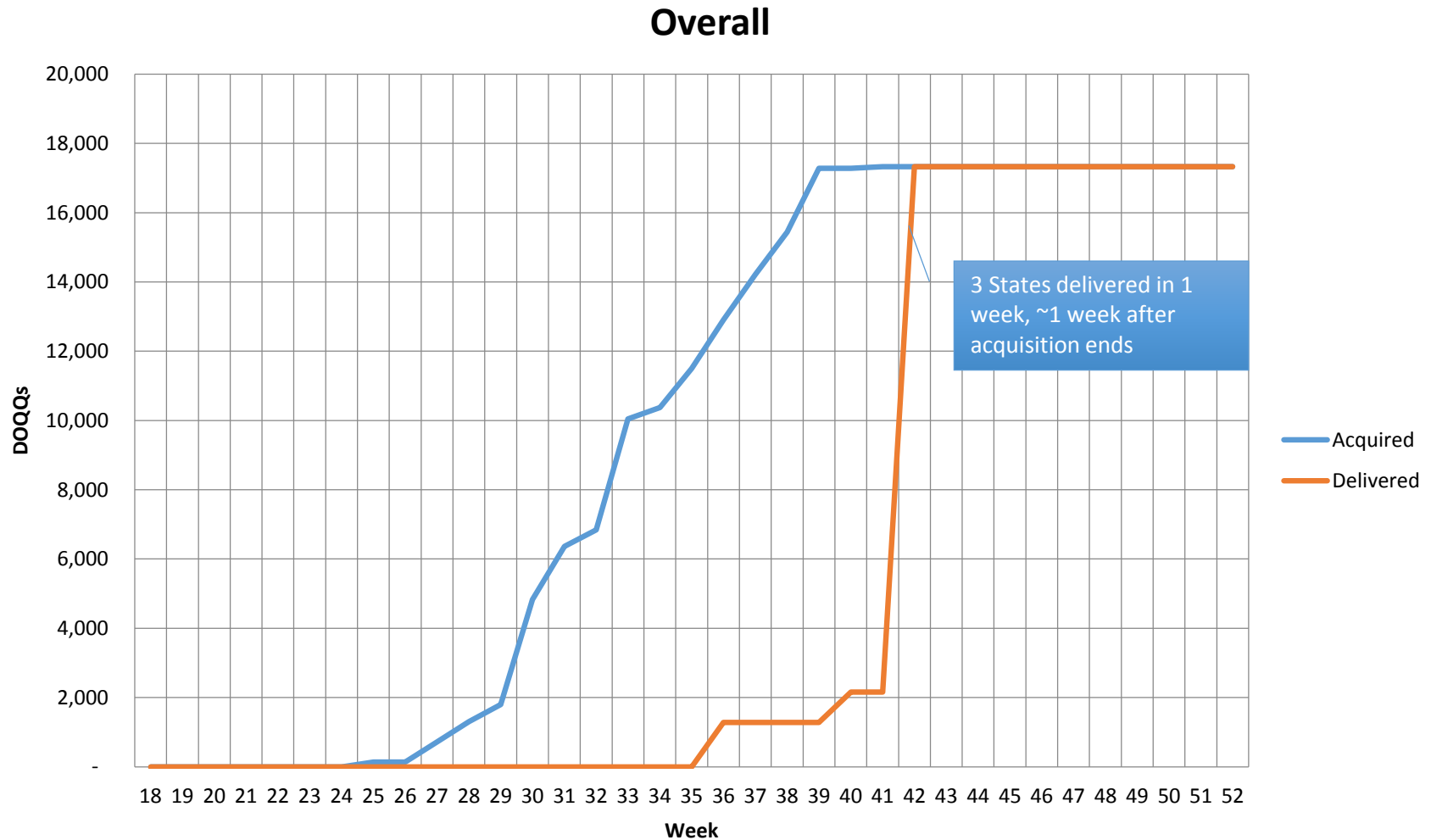


Oregon

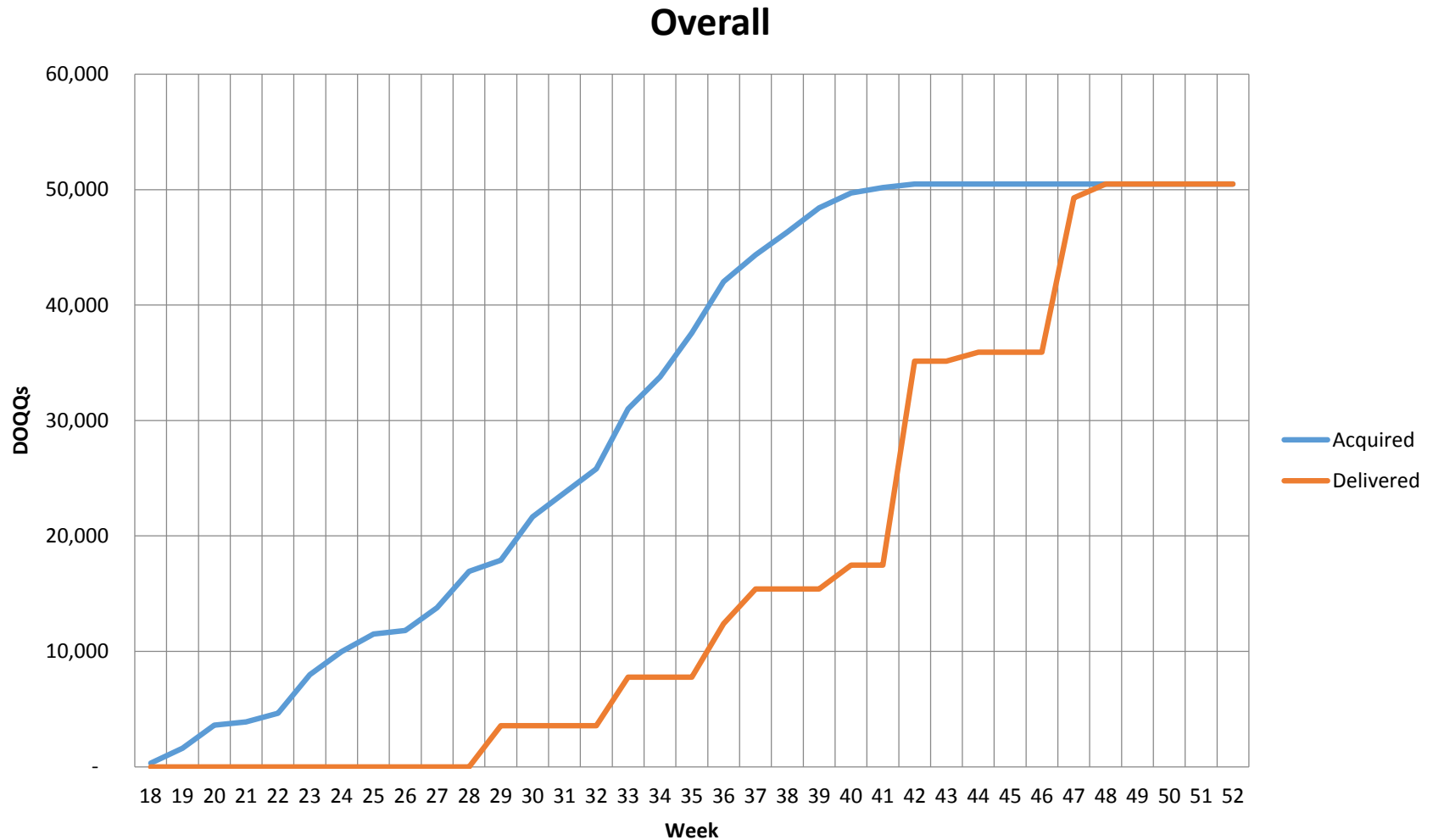
- Forest fires caused 6 weeks of delay mid-season
- Late snow melt delays until August 1st



Problem-free states acquisition and delivery (No TX, NM, OR)



Overall Acquisition and Delivery Status



Answers....

- For 2014:
 - 8.21 for TX 1/2/4!
 - 2.18 overall for all our states



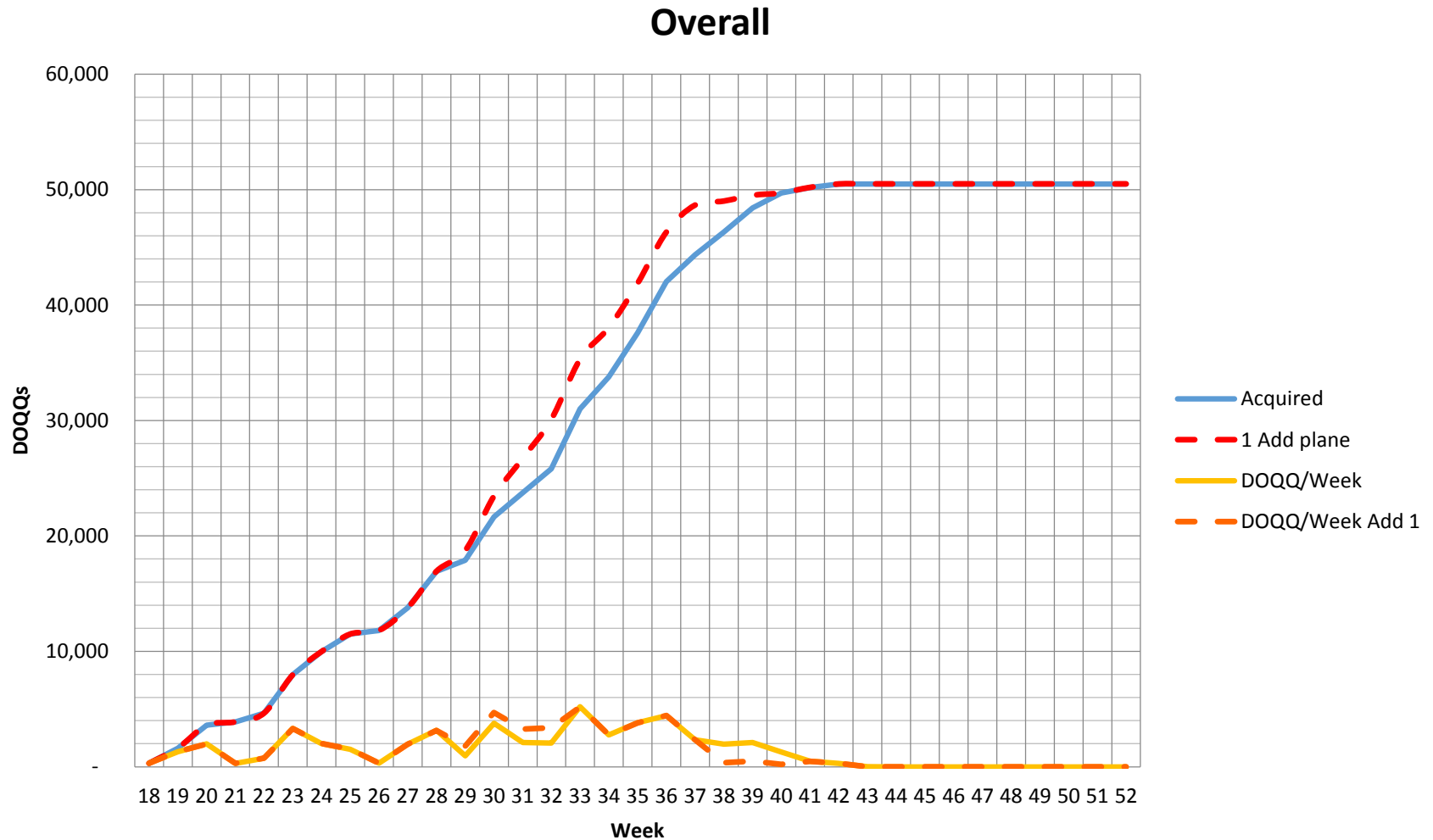
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Improvements for Next Year

Improvements

1. Now that we are aware of Mexico border issues we should be able to prepare accordingly!
2. Very close attention to start dates for areas of high weather risk!
 - A week early start can mean months saved overall
3. Improved EAWS process to update as final product becomes available – better color and accuracy
 - Phased in end of 2014 season
4. Add more acquisition capacity
 - Review of available weather and resources shows that an additional aircraft available would have helped on approximately 11 to 18 of the acquisition days
 - This would not impact last flight date as they were weather dependent, and not capacity dependent
 - But “more DOQQ’s faster” would be the result

Improvement with 1 additional aircraft



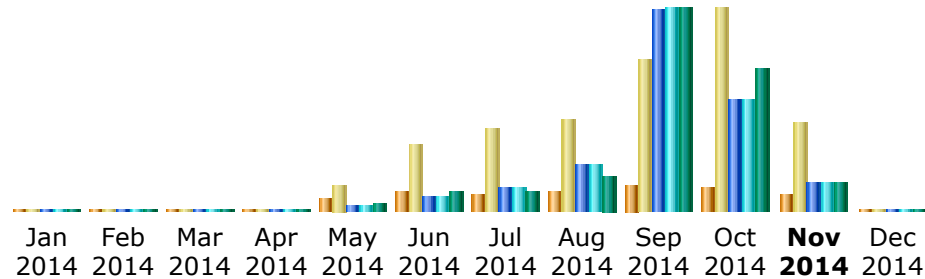


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EAWS

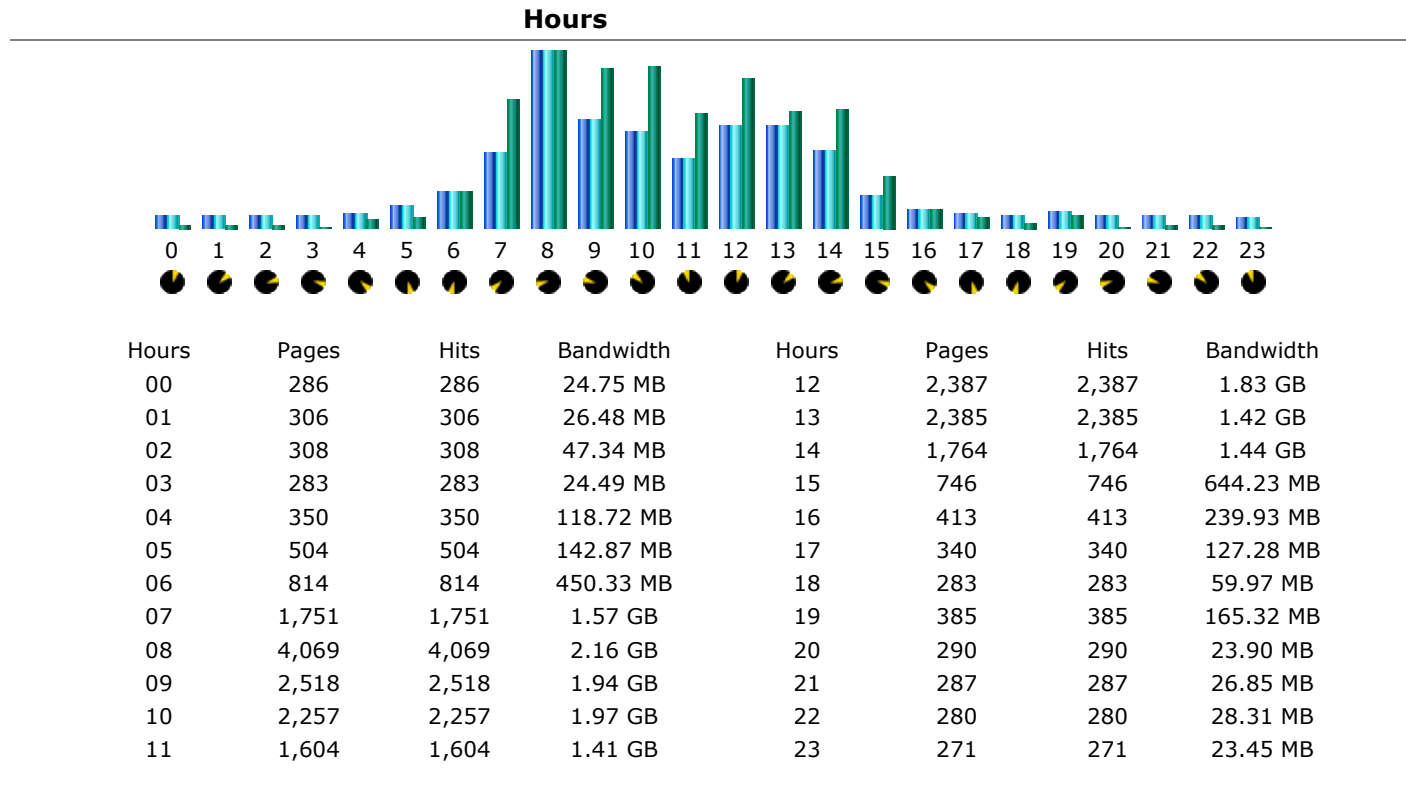
EAWS Overall Usage

Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2014	0	0	0	0	0
Feb 2014	0	0	0	0	0
Mar 2014	0	0	0	0	0
Apr 2014	0	0	0	0	0
May 2014	107	213	4,915	4,915	4.21 GB
Jun 2014	157	549	13,415	13,415	10.95 GB
Jul 2014	148	685	20,667	20,667	10.32 GB
Aug 2014	158	755	40,246	40,246	19.43 GB
Sep 2014	210	1,261	178,551	178,596	112.94 GB
Oct 2014	196	1,679	98,366	98,366	80.14 GB
Nov 2014	147	738	24,881	24,881	15.87 GB
Dec 2014	0	0	0	0	0
Total	1,123	5,880	381,041	381,086	253.87 GB

EAWS Time of Day



EAWS By IP/Domain

Hosts (Top 10) - [Full list](#) - [Last visit](#) - [Unresolved IP Address](#)

Hosts : 70 Known, 77 Unknown (unresolved ip) 147 Unique visitors	Pages	Hits	Bandwidth	Last visit
12.163.29.12	10,382	10,382	659.94 MB	17 Nov 2014 - 11:48
mail.surdex.com	3,521	3,521	1.24 GB	17 Nov 2014 - 11:46
199.154.164.68.4k.usda.gov	503	503	675.10 MB	12 Nov 2014 - 10:24
pat-mpls.odf.state.or.us	477	477	621.53 MB	17 Nov 2014 - 11:48
199.134.56.100	408	408	721.39 MB	10 Nov 2014 - 11:10
199.154.174.65.4k.usda.gov	348	348	293.73 MB	14 Nov 2014 - 12:00
199.158.166.104.4k.usda.gov	345	345	285.47 MB	17 Nov 2014 - 08:41
199.134.56.22	302	302	638.14 MB	17 Nov 2014 - 09:57
199.134.56.109	301	301	436.36 MB	17 Nov 2014 - 11:07
199.134.56.33	297	297	368.07 MB	17 Nov 2014 - 08:56
Others	7,997	7,997	10.04 GB	

<http://192.168.13.207/awstats/>

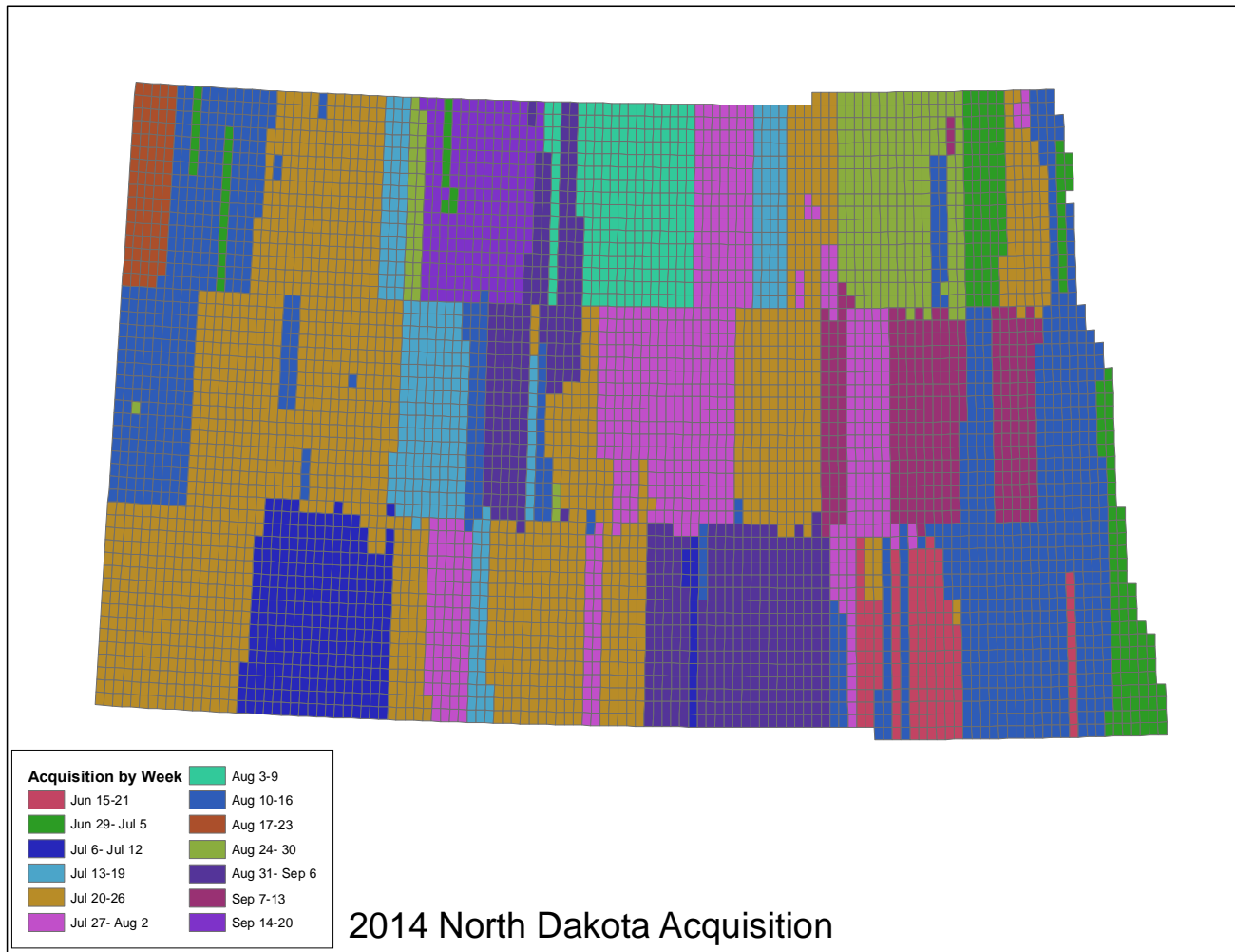
3/5



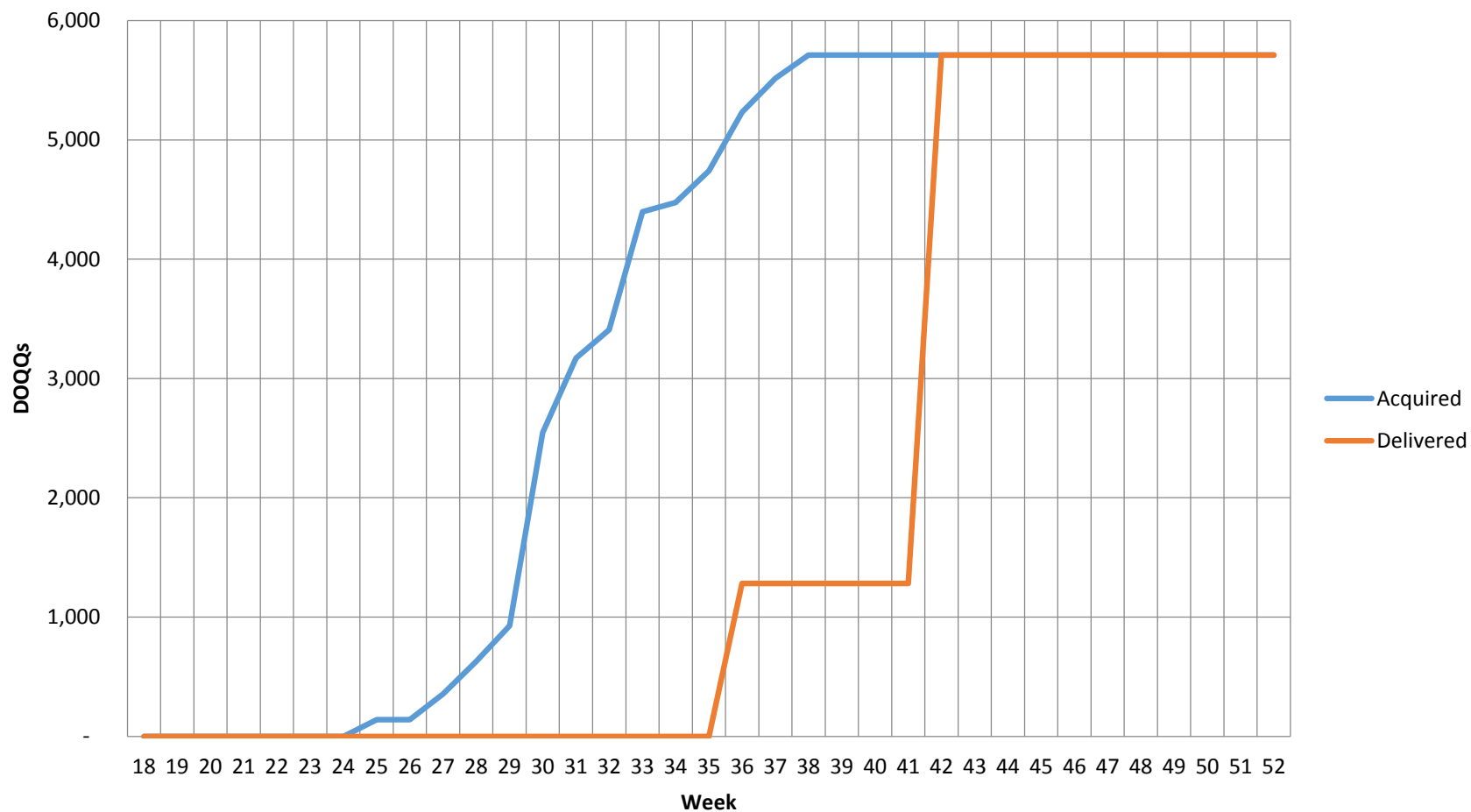
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Detailed information per state

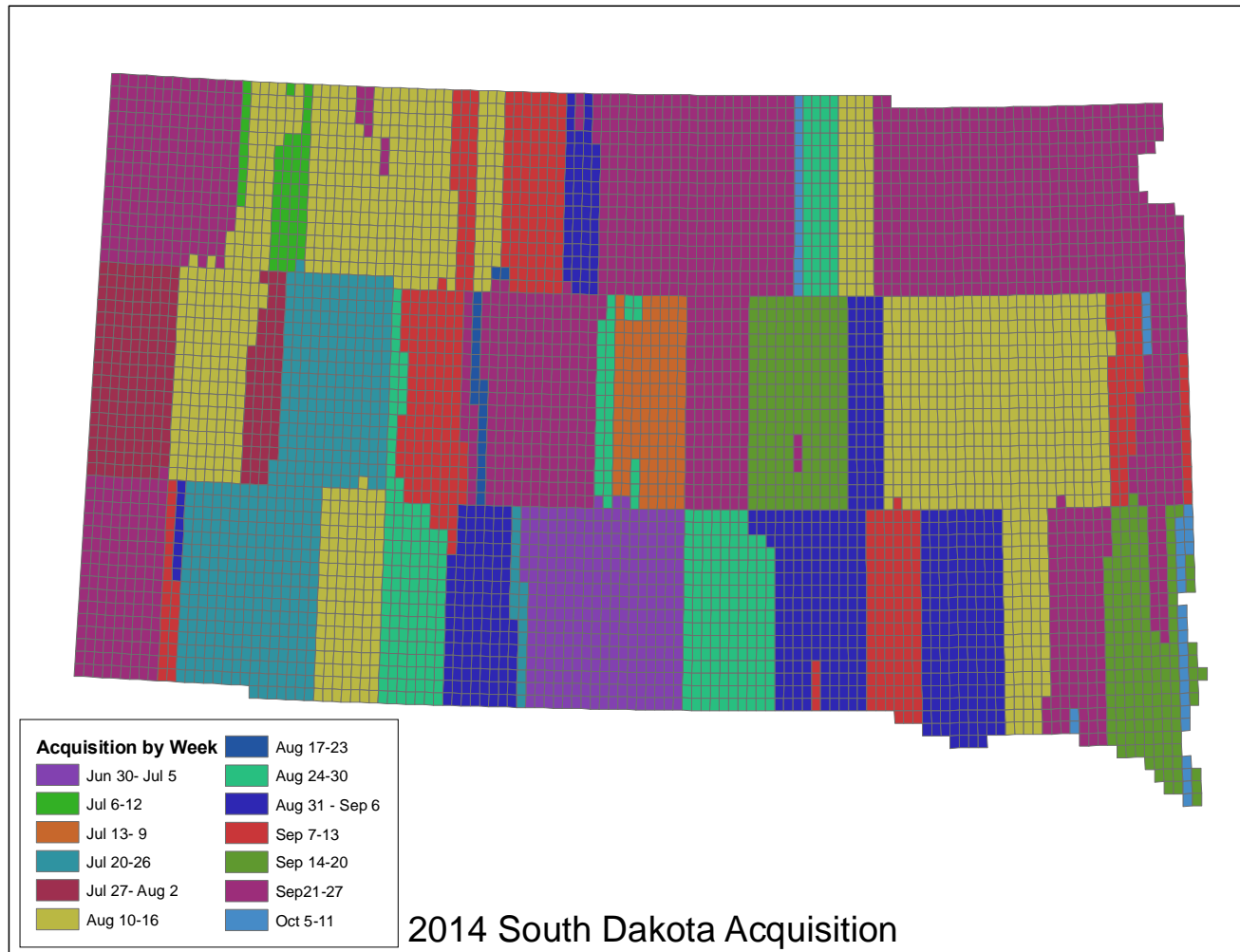
North Dakota



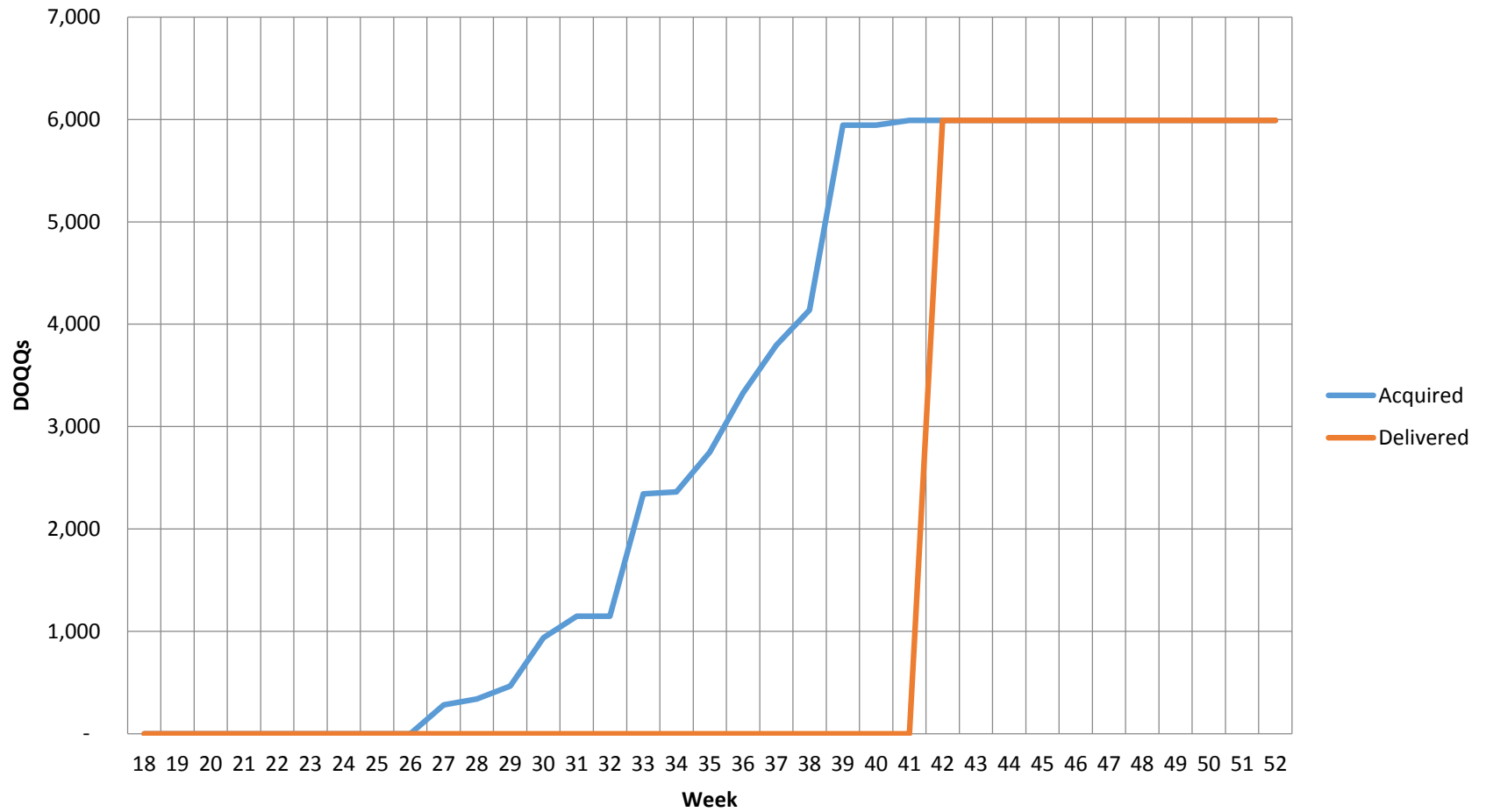
North Dakota



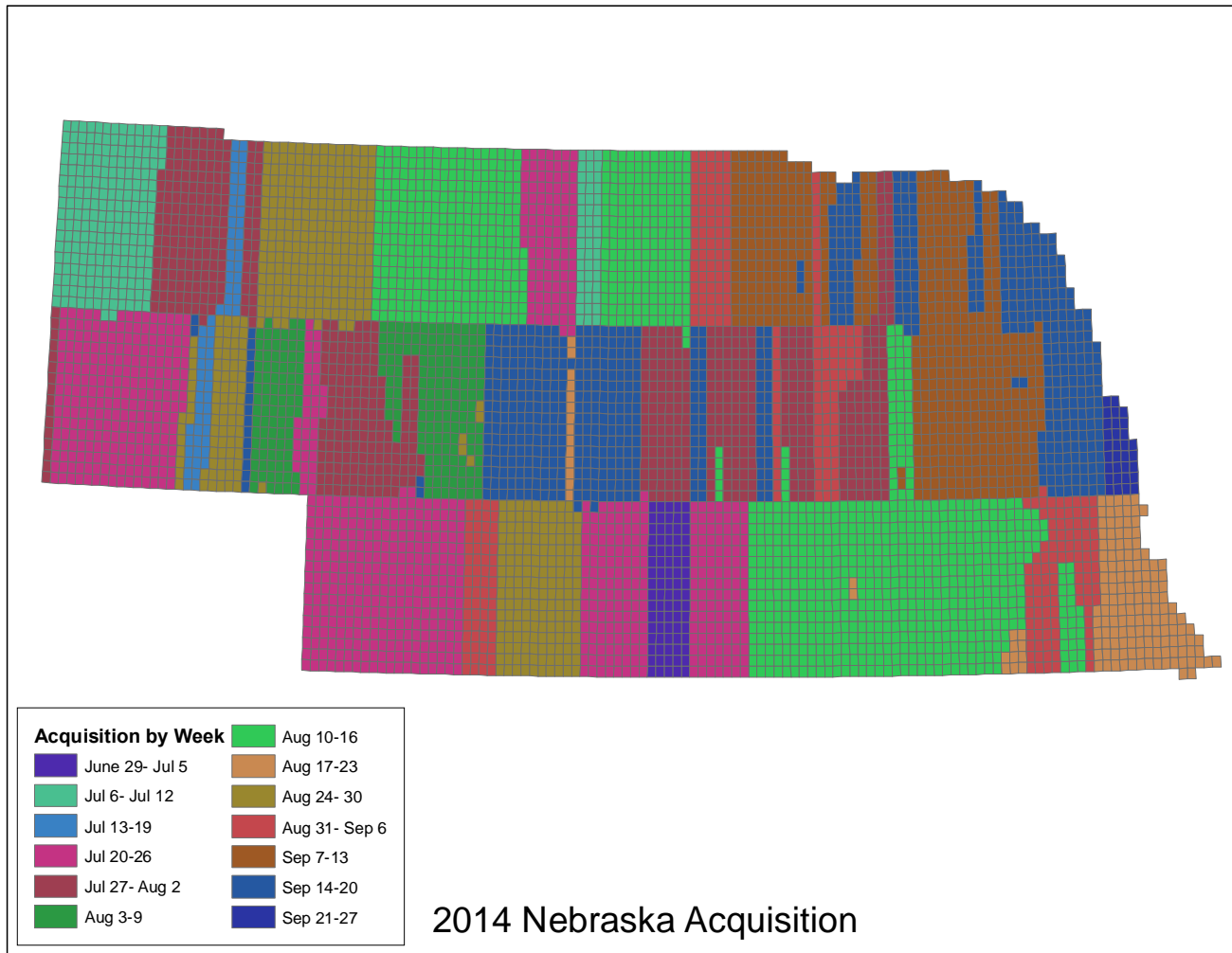
South Dakota



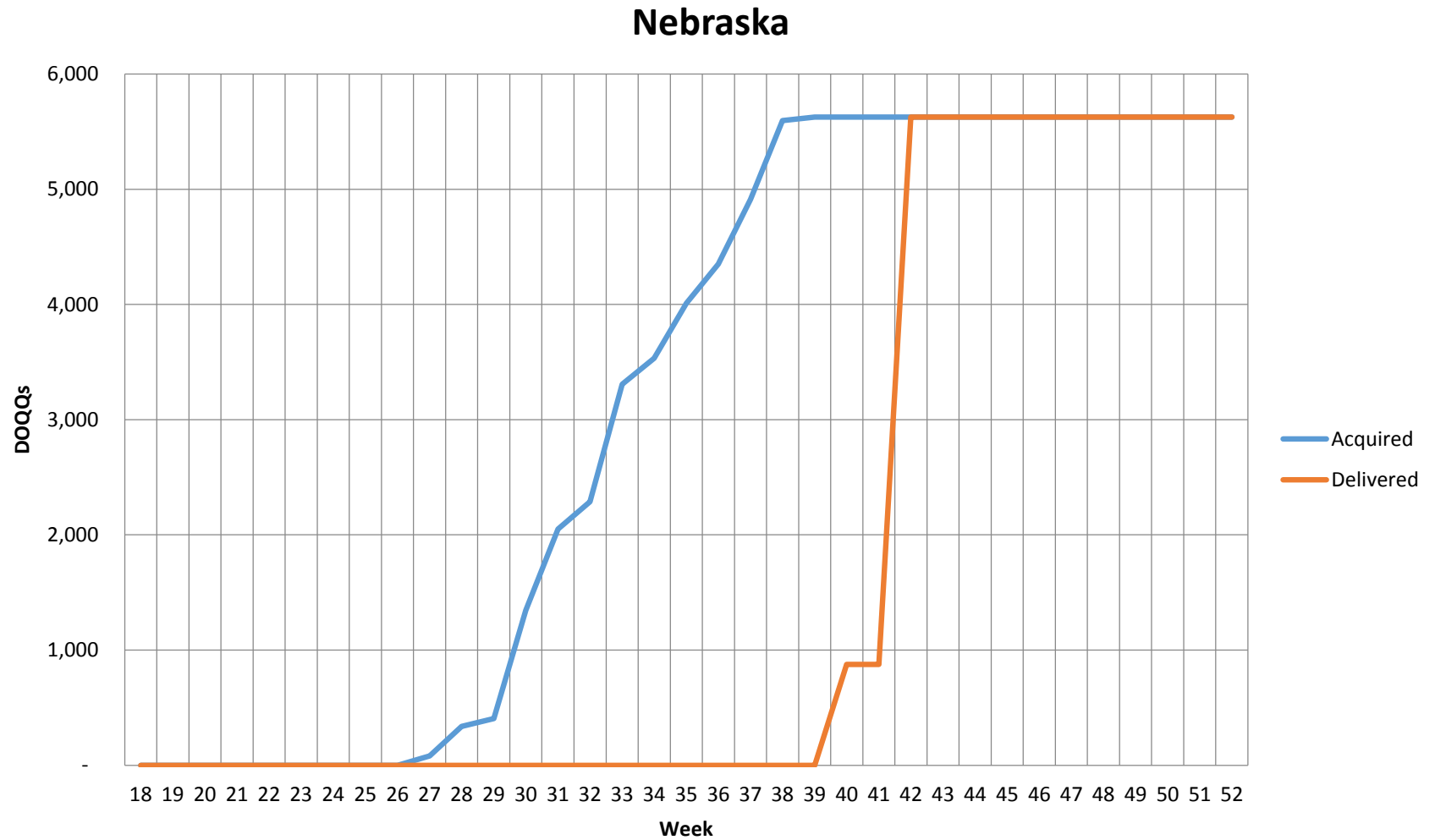
South Dakota



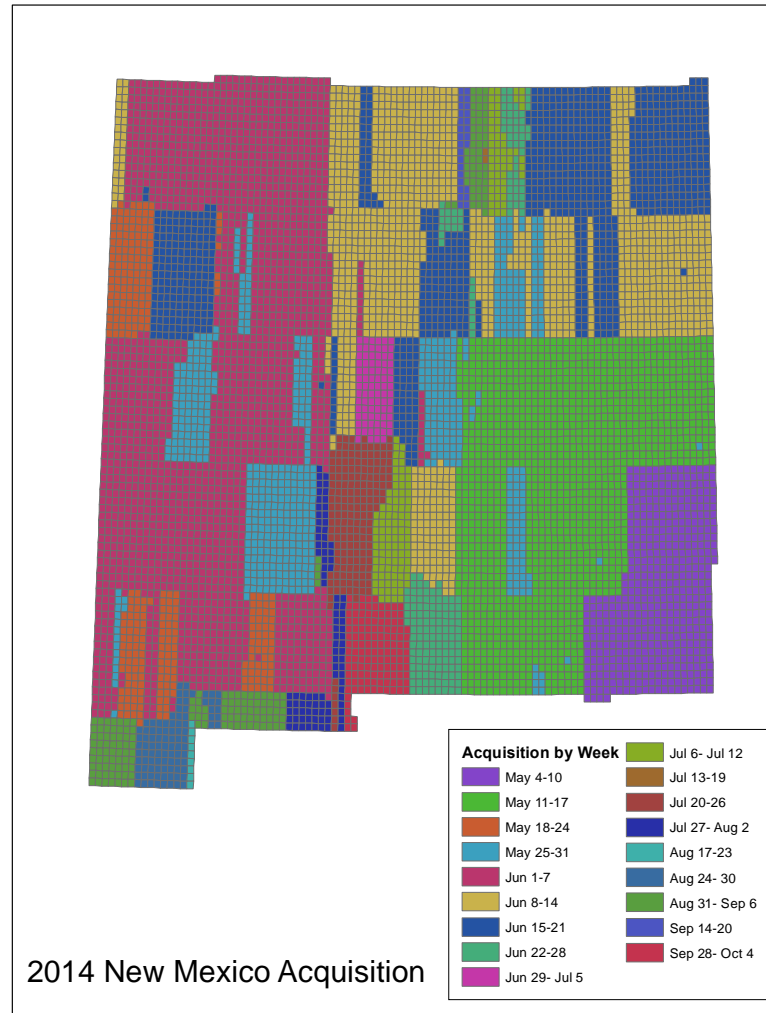
Nebraska



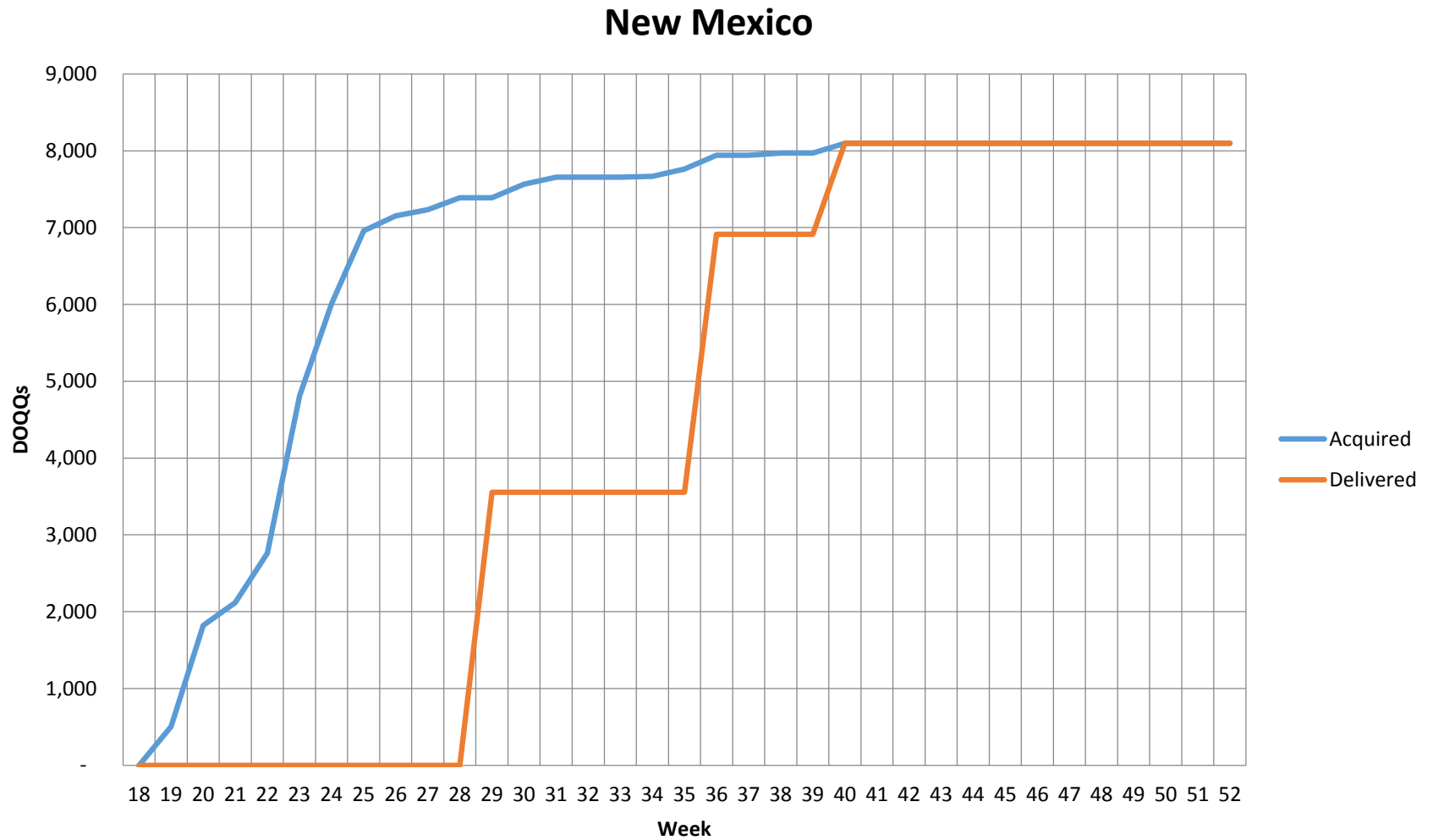
Nebraska



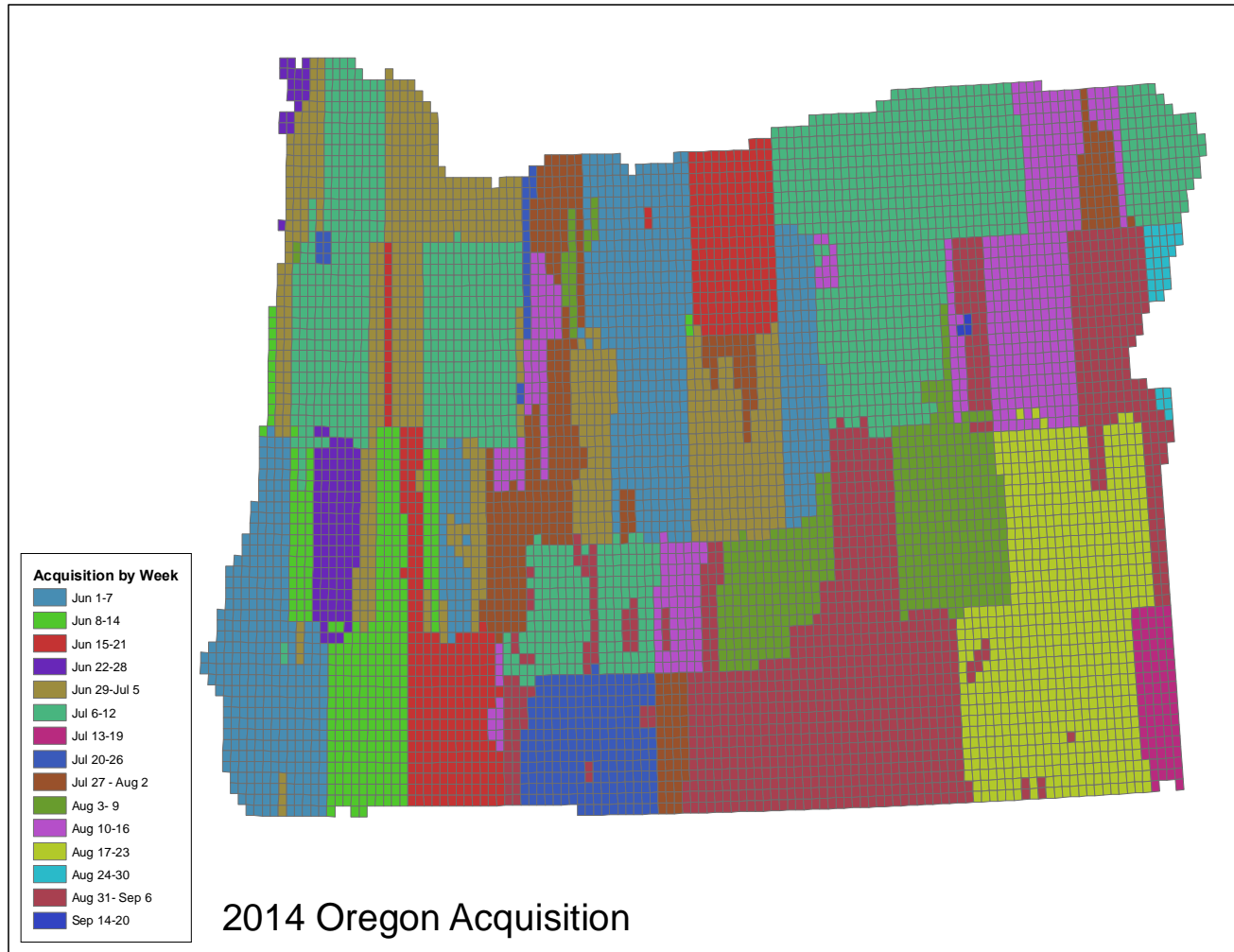
New Mexico



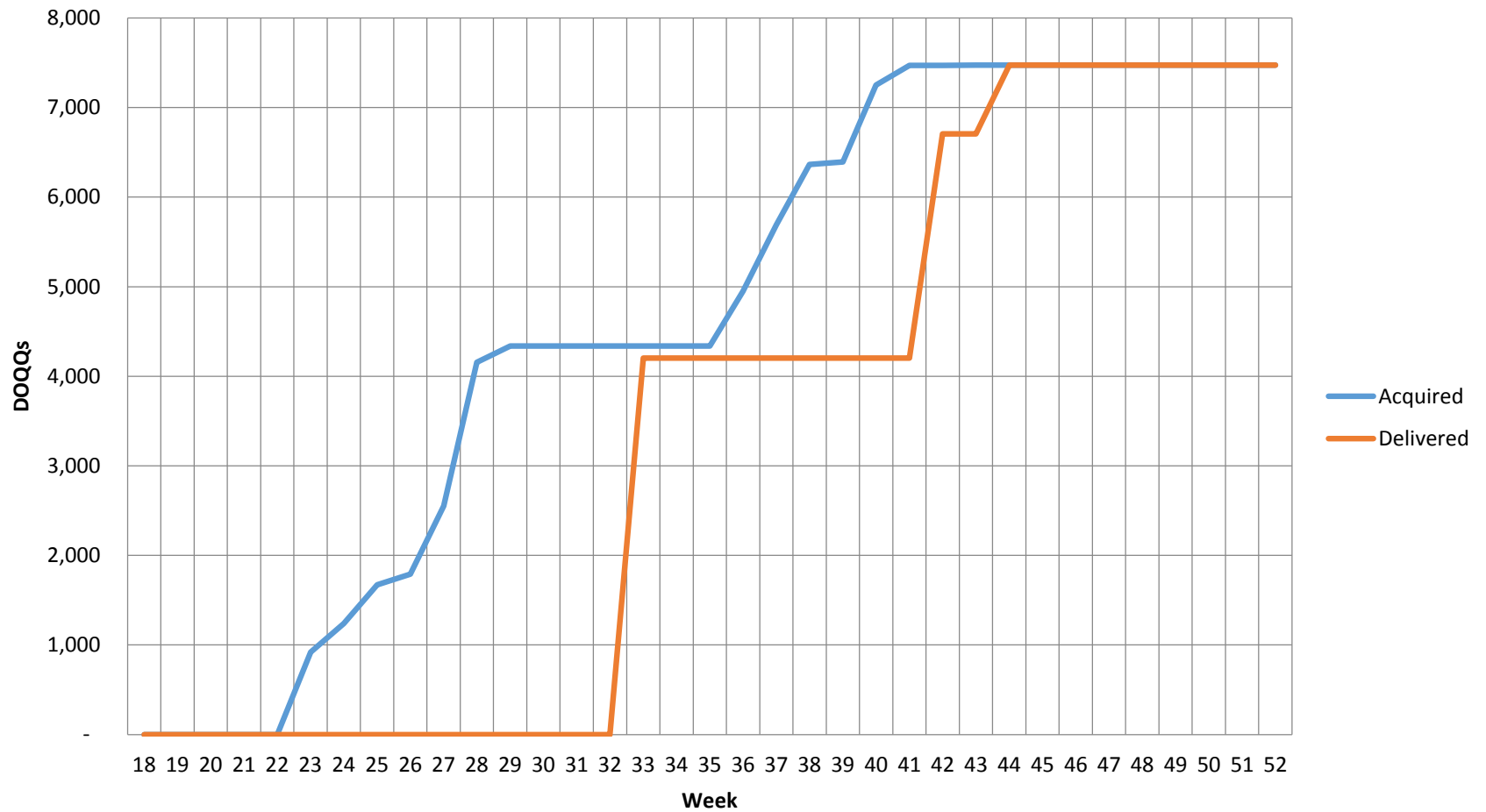
New Mexico



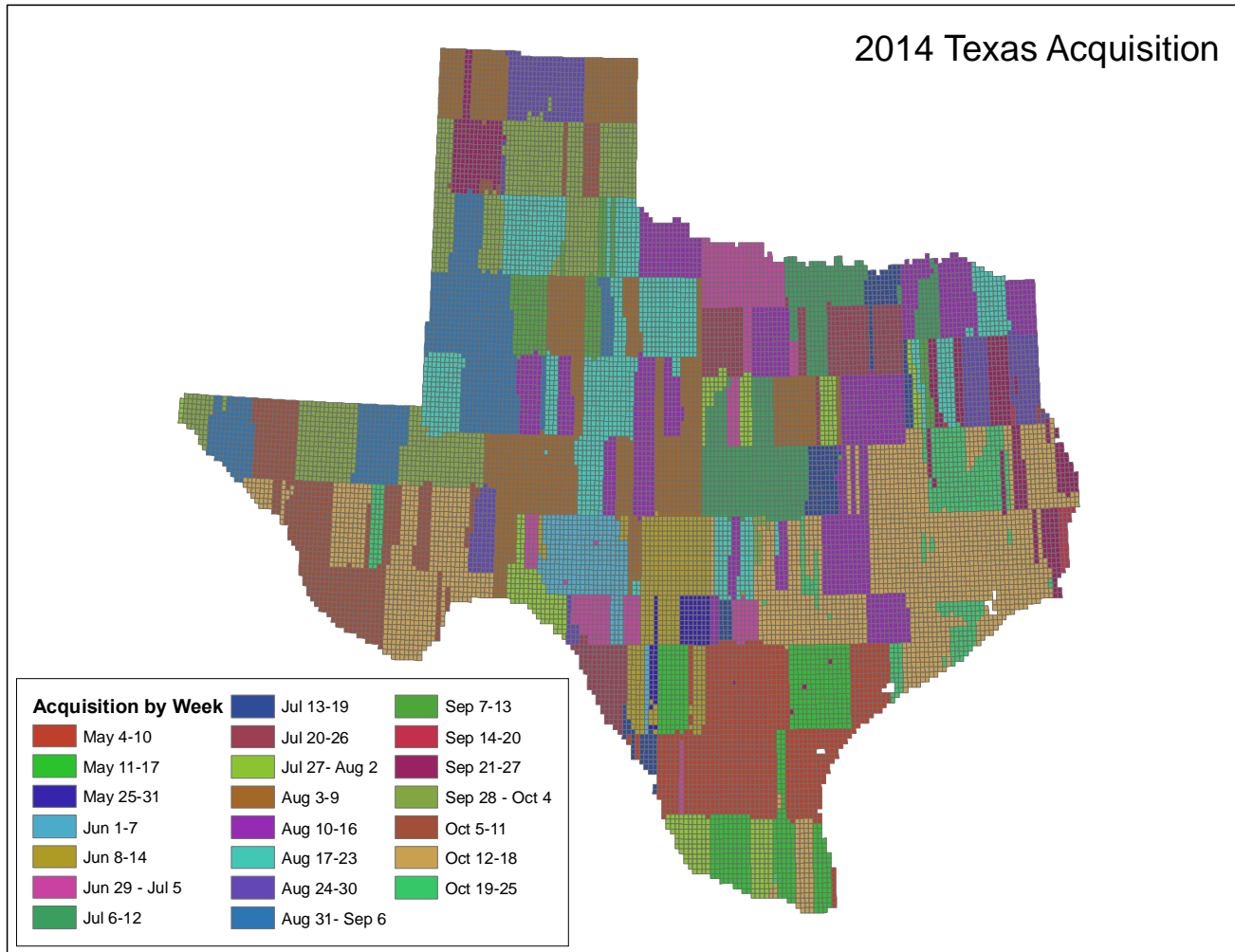
Oregon



Oregon



Texas



Texas

